a-dec®

A-dec 500 Delivery System

Quick Start Guide

About the A-dec 500 Delivery System	Your A-dec 500 delivery system comes standard with four handpiece control block positions and an A-dec autoclavable syringe. Optional tray holders are available for both styles of delivery systems. The trays can be mounted above or below the control head, and on the right or the left side.
Master On/Off Toggle	The master On/Off toggle, located on the right side of the control head, controls the utilities for the delivery system as well as other modules mounted to the chair.
Handpiece Activation	Handpiece activation is automatic. When you lift a handpiece from its holder, or pull the Continental style whip forward, the handpiece becomes active and will run when you press on the foot control disc.
Foot Control	The foot control modulates drive air to the active handpiece and provides an air signal that activates air coolant and water coolant flow. It is operated by applying pressure to any part of the foot control disc. The wet/dry toggle allows you to shut off the water coolant to the handpiece without moving your hands from the oral cavity. The chip blower/accessory button sends a jet of air through the handpiece without activating the handpiece bur, or is used to operate functions on integrated accessory devices.
Touchpad Controls	The A-dec 500 delivery system touchpads centralize operatory controls into one touch surface. Some touchpad buttons have indicators to let you know if the operation is functioning. **Chair Functions** - Four buttons to program specific chair functions.; **Cuspidor Functions** - The cup fill and bowl rinse can both be activated and programmed by the touchpad.; **Dental Light** - Works as as a three-way switch allowing you to turn the light on or off from either the touchpad or the light. A quick press toggles between three intensity settings, depending on the location of the dental light's intensity switch. **Air/Water Coolant** - With a deluxe touchpad, air and water coolant can be turned on and off.
Drive Air Pressure	The digital read out of the drive air pressure is inside the control head. The gauge indicates, in psi, the pressure as it leaves the control block to the active handpiece. Adjust the pressure to meet the handpiece manufacturer's specification.

Step	Action
1	Install a bur in the handpiece.
2	Locate the drive air gauge and controls inside the control head.
3	Ensure the water coolant is off. Fully depress the foot control disc.
4	While running the handpiece, watch the drive air gauge and adjust the handpiece dynamic drive air pressure to meet manufacturer's specifications. • Turn the control clockwise to decrease flow. • Turn the drive air control counterclockwise to increase flow.

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Air Coolant

Use air coolant flow control to adjust the air coolant flow to all handpieces.

Step	Action
1	Install a bur in the handpiece.
2	Locate the air coolant control.
3	Ensure the air and water coolant is on.
4	Insert an adjustment key, or a hex key, into the air coolant flow control.
5	Fully depress the foot control disc to activate the handpiece.
6	Adjust the air coolant flow to fit your needs. A strong flow of air is recommended. • Turn the control clockwise to decrease the flow. • Turn counterclockwise to increase the flow.

Water Coolant

Use water coolant flow controls to adjust the flow of water coolant to each handpiece.

Step	Action
1	Install a bur in the handpiece.
2	Locate the coolant water flow controls.
3	Ensure the water coolant is on.
4	Insert an adjustment key, or a hex key, into the water coolant flow control for the handpiece being adjusted.
5	Fully depress the foot control disc to activate the handpiece.
6	Adjust the water coolant flow to fit your needs. • Turn the control clockwise to decrease the flow. • Turn counterclockwise to increase the flow.

Oil Collector

The oil collector on your delivery system needs to be serviced once a week for normal usage. Service more often for heavier use.

Step	Action
1	Unsnap the oil collector cover on the back of the unit and discard the old gauze.
2	Fold a square gauze pad into quarters and place it inside the cover.
3	Snap the oil collector cover closed.

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How to Program the Touchpad

When programming the touchpad, one beep means you have entered into program mode and three beeps confirms your programming. When overriding features like the auto on/off dental light function, Position 3 (x-ray/rinse), and air/water coolant (on the deluxe touchpad), one beep means you have disabled the factory preset and three beeps means you have returned to the factory preset.

How to Disable Factory Presets

There are three factory preset options that can be turned on or off from the touchpad. These functions are global and will operate the same in A and B modes.

Air/Water Coolant (combined)

The air and water coolant buttons can be programmed to operate as one function. Press and hold **Program** and then either the air or water coolant button for three seconds. One beep confirms the new program. To return to independent control of the air and water coolant, repeat steps. Three beeps confirms you have returned to the factory preset (on deluxe touchpad only).

Dental Light (auto on/off)

Auto On/Off setting can be turned off by pressing and holding **Program** and then the **Light** button together for three seconds. One beep will confirm that the factory preset has been turned off. To return to the factory preset, repeat steps. Three beeps will confirm that the auto on/off function is on.

Position 3 (x-ray/rinse)

Position 3 can be toggled from the x-ray/rinse position to a programmed position. To program Position 3, press **Program** and then **Position 3** together for three seconds. One beep confirms that the position can be programmed. To return to the x-ray/rinse position, repeat steps. Three beeps confirms that the x-ray/rinse function is on.

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Maintenance Record

Date of Service	Model/Description of Service	Technician's Initials